

AMENDMENT TO THE CLAIMS

Claims 1-34 (canceled).

1 ~~35.~~ (previously amended) A system for recording information regarding telephone calls with three or more participants and comprising one or more telephone call segments, comprising:

- (a) a first memory having one or more locations storing audio data of telephone call segments;
- (b) a second memory having one or more locations storing data regarding telephony events associated with telephone call segments; and
- (c) a processor programmed to:
 - (i) identify telephone call segments that relate to the same telephone call, and
 - (ii) construct data representations of lifetimes of telephone calls that have three or more participants, wherein said data representations are constructed using data regarding telephony events associated with telephone call segments.

2 ~~36.~~ (previously amended) The system of claim ~~35~~¹ wherein the data representation of each telephone call comprises

- (i) a list of participants in the telephone call;
- (ii) a list of telephony events regarding the call;
- (iii) a list containing the time each telephony event occurred; and
- (iv) the start and end time of the call.

3 ~~37.~~ (previously amended) The system of claim ~~35~~ wherein the data representation of each telephone call comprises, for each segment of the call, the location of the stored audio data of that segment.

4 38. (previously amended) The system of claim 35 wherein the first memory
and the second memory are the same.

5 39. (previously amended) The system of claim 35 wherein the processor is
comprised of a plurality of physically separated components.

6 40. (previously amended) The system of claim 35 wherein the location of the
stored audio data of each segment comprises a location of a .WAV file containing the audio data.

7 41. (previously amended) The system of claim 40 wherein the data
representation of a telephone call further comprises an offset within the .WAV file to the start of
the stored audio data.

8 42. (previously amended) The system of claim 35 wherein the data regarding
telephony events is received from a plurality of sources connected to a telephone switching
environment.

9 43. (previously amended) The system of claim 35 further comprising display
software that uses said data representation to display a graphical representation of said telephone
call.

10 44. (previously amended) The system of claim 35 further comprising display
software that uses a data representation of a telephone call to display a graphical representation of
said telephone call.

11 45. (previously amended) The system of claim 44 wherein the graphical
representation comprises a representation of each segment of the call.

12 46. (previously amended) The system of claim 44 wherein the graphical
representation comprises a representation of the length of time of each segment of the call.

13 47. (previously amended) The system of claim 48 wherein the display
software further displays a table comprising data from the data representation.

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48. (previously amended) A method for recording information regarding telephone calls with three or more participants and comprising one or more telephone call segments, comprising:

- (a) receiving audio data regarding one or more telephone call segments;
- (b) receiving data regarding telephony events associated with said telephone call segments;
- (c) storing the received audio data regarding telephone call segments;
- (d) storing the received data regarding telephony events associated with said telephone call segments;
- (e) identifying telephone call segments that relate to the same telephone call; and
- (f) constructing data representations of lifetimes of telephone calls, wherein said data representations are constructed using data regarding telephony events associated with telephone call segments.

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49. (previously amended) The method of claim *48* wherein each data representation of a telephone call comprises:

- (i) a list of participants in the telephone call;
- (ii) a list of telephony events regarding the call;
- (iii) a list containing the time each telephony event occurred; and
- (iv) the start and end time of the call.

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50. (previously amended) The method of claim *48* wherein each data representation of a telephone call comprises, for each segment of the call, a location of stored audio data of that segment.

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51. (previously amended) The method of claim *48* wherein the received audio data and the data regarding telephony events are stored in the same memory.

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52. (previously amended) The method of claim *48* wherein each data representation is constructed by a plurality of physically separated processors.

19 53. (previously amended) The method of claim 50 wherein the location of the stored audio data of each segment comprises a location of a .WAV file containing the audio data.

20 54. (previously amended) The method of claim 53 wherein a data representation further comprises an offset within the .WAV file to the start of the stored audio data.

21 55. (previously amended) The method of claim 48 wherein data regarding telephony events is received from a plurality of sources connected to a telephone switching environment.

22 56. (previously amended) The method of claim 48 further comprising the step of using a data representation of a telephone call to display a graphical representation of the telephone call.

23 57. (currently amended) The method of claim 49 further comprising the step of using said [a] data representation of a telephone call to display a graphical representation of the telephone call.

24 58. (previously amended) The method of claim 57 wherein the graphical representation comprises a representation of each segment of the call.

25 59. (previously amended) The method of claim 57 wherein the graphical representation comprises a representation of the length of time of each segment of the call.

26 60. (previously amended) The method of claim 58 further comprising the step of displaying a table comprising data from the data representation.

27 61. (previously amended) A system for recording information regarding telephone calls comprising one or more telephone call segments, wherein said calls comprise calls wherein at least one participant participates in a plurality of segments, comprising:

(a) a first memory having one or more locations storing audio data regarding telephone call segments;

(b) a second memory having one or more locations storing data regarding telephony events associated with telephone call segments; and

(c) a processor programmed to:

(i) identify telephone call segments that relate to the same telephone call;

(ii) identify multiple call segments that have the same participant; and

(iii) construct data representations of lifetimes of telephone calls using data regarding telephony events associated with telephone call segments.

31 32. (previously amended) The system of claim 31 wherein a data representation of a telephone call comprises:

(i) a list of participants in the telephone call;

(ii) a list of telephony events regarding the call;

(iii) a list containing the time each telephony event occurred; and

(iv) the start and end time of the call.

31 33. (previously amended) The system of claim 31 wherein each data representation of a telephone call comprises, for each segment of the call, a location of the stored audio data of that segment.

31 34. (previously amended) The system of claim 31 wherein the first memory and the second memory are the same.

31 35. (previously amended) The system of claim 31 wherein the processor is comprised of a plurality of physically separated components.

31 36. (previously amended) The system of claim 31 wherein the location of the stored audio data of each segment comprises a location of a .WAV file containing the audio data.

31 37. (previously amended) The system of claim 31 wherein a data representation of a telephone call further comprises an offset within the .WAV file to the start of the stored audio data.

34. (previously amended) The system of claim 31 wherein data regarding telephony events is received from a plurality of sources connected to a telephone switching environment.

35. (previously amended) The system of claim 31 further comprising display software that uses a data representation of a telephone call to display a graphical representation of said telephone call.

36. (previously amended) The system of claim 32 further comprising display software that uses a data representation of a telephone call to display a graphical representation of said telephone call.

37. (previously amended) The system of claim 30 wherein the graphical representation comprises a representation of each segment of the call.

38. (previously amended) The system of claim 30 wherein the graphical representation comprises a representation of the length of time of each segment of the call.

39. (previously amended) The system of claim 35 wherein the display software further displays a table comprising data from the data representation.

40. (currently amended) A method for recording information regarding telephone calls comprising one or more telephone call segments, wherein said calls comprise calls wherein at least one participant participates in a plurality of segments, [.] comprising:

- (a) receiving audio data regarding one or more telephone call segments and data regarding telephone events associated with said telephone call segments;
- (b) storing the received audio data regarding telephone call segments;
- (c) storing the received data regarding telephony events associated with said telephone call segments;
- (d) identifying telephone call segments that relate to the same telephone call;
- (e) identifying multiple call segments that have the same participant; and

(f) constructing data representations of lifetimes of telephone calls, wherein each data representation of a telephone call is constructed using data regarding telephony events associated with telephone call segments of the telephone call.

45. (previously amended) The method of claim 74 wherein a data representation of a telephone call comprises:

- (i) a list of participants in the telephone call;
- (ii) a list of telephony events regarding the call;
- (iii) a list containing the time each telephony event occurred; and
- (iv) the start and end time of the call.

47. 46. (previously amended) The method of claim 74 wherein a data representation of a telephone call comprises, for each segment of the call, a location of the stored audio data of that segment.

48. 47. (previously amended) The method of claim 74 wherein the received audio data and the data regarding telephony events is stored in the same memory.

49. 48. (previously amended) The method of claim 74 wherein a data representation of a telephone call is constructed by a plurality of physically separated processors.

50. 49. (previously amended) The method of claim 76 wherein a location of stored audio data of each segment comprises the location of a .WAV file containing the audio data.

51. 50. (previously amended) The method of claim 79 wherein a data representation of a telephone call further comprises an offset within the .WAV file to the start of the stored audio data.

52. 51. (previously amended) The method of claim 74 wherein data regarding telephony events is received from a plurality of sources connected to a telephone switching environment.

48 82. (previously amended) The method of claim 74 further comprising the step of using a data representation of a telephone call to display a graphical representation of said telephone call.

49 83. (previously amended) The method of claim 75 further comprising the step of using a data representation of a telephone call to display a graphical representation of said telephone call.

50 84. (previously amended) The method of claim 73 wherein the graphical representation comprises a representation of each segment of the call.

51 85. (previously amended) The method of claim 73 wherein the graphical representation comprises a representation of the length of time of each segment of the call.

52 86. (previously amended) The method of claim 82 further comprising the step of displaying a table comprising data from the data representation.